

Economic Costs of Diabetes

Missouri, 2006

<http://www.dhss.mo.gov/diabetes/FactSheet-EconomicCost.pdf>

In 2006, the estimated hospitalization cost of diabetes as the principal diagnosis totaled \$87.7 million in Missouri (based on the cost-to-charge ratios¹ applied to hospital charges²). Of the total costs, the majority was for care of diabetes with complications (97 percent), and only 3 percent was for care of diabetes without complications. The highest percentage of the total cost was associated with the age group 45-64, followed by individuals age 65 and older, and the group 25-44. Medicare bore 55 percent of the total cost, followed by commercial payers (21 percent), and MO HealthNet (Missouri's Medicaid program, 16 percent). The economic costs related to hospitalizations increased 78 percent in the past ten years, from \$49.2 million in 1997 to \$87.7 million in 2006.

Economic Costs of Diabetes in Missouri, 2006^{1,2}

Indicator Group	Diabetes without Complication			Diabetes with Complication(s)			All Diabetes Patients		
	Costs (\$)	OG% ^a	WOC% ^b	Costs (\$)	OG% ^a	WC% ^c	Total Costs (\$)	OG% ^a	AP% ^d
Missouri	2,463,215	100	3	85,275,624	100	97	87,738,839	100	100
Age (years)									
< 15	514,390	21	32	1,105,297	1	68	1,619,687	2	100
15 - 24	113,013	5	3	3,323,043	4	97	3,436,055	4	100
25 - 44	532,334	22	3	16,540,253	19	97	17,072,587	19	100
45 - 64	671,436	27	2	36,174,753	42	98	36,846,189	42	100
≥ 65	632,041	26	2	28,132,279	33	98	28,764,320	33	100
Gender									
Male	1,345,994	55	3	45,841,689	54	97	47,187,683	54	100
Female	1,117,221	45	3	39,433,935	46	97	40,551,156	46	100
Race									
White	1,830,756	74	3	58,748,435	69	97	60,579,190	69	100
African-American	546,578	22	2	23,721,705	28	98	24,268,283	28	100
Pay Source									
Medicare	613,115	25	1	47,473,090	56	99	48,086,205	55	100
Commerce	931,210	38	5	17,844,486	21	95	18,775,696	21	100
MO HealthNet	353,570	14	3	13,698,464	16	97	14,052,034	16	100
Self-Pay/No-Charge	516,314	21	9	5,051,274	6	91	5,567,588	6	100
Other	38,092	2	4	914,914	1	96	953,006	1	100
Other Government	10,915	0	5	228,776	0	95	239,691	0	100
Workers Compensation	0	0	0	58,885	0	100	58,885	0	100
Unknown	0	0	0	5,735	0	100	5,735	0	100

^a OG%, percentage of one group in all related groups for an indicator

^b WOC%, percentage of the costs without complications in total costs

^c WC%, percentage of the costs with complications in total costs

^d AP%, percentage of the costs for all patients

Million dollars, adjusted for inflation in 2006 dollars



Increase of Economic Costs for Diabetes, Missouri, 1997-2006^{1, 2}

Data Sources

- Haddix AC, et al. Prevention Effectiveness: A Guide to Decision Analysis and Economic Evaluation (2nd Ed.), Pages 70, 71 and 239. Oxford University Press, 2003, New York
- Hospital Discharge, Charges and Days of Care MICA, 1995-2006, http://www.dhss.mo.gov/D_C_DoCMICA/



Diabetes

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